



Substitute for form 1449A/PTO-4

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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**Complete If Known**

|                      |                               |
|----------------------|-------------------------------|
| Application Number   | 10/706,925                    |
| Filing Date          | November 14, 2003             |
| First Named Inventor | David G. Frank                |
| Art Unit             | 1746                          |
| Examiner Name        | Not yet assigned <i>Bc II</i> |

Attorney Docket Number

9351-218

**U.S. PATENT DOCUMENTS**

| Examiner Initials * | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|---------------------|-----------------------|--|--------------------------------|--|---|
|                     |                       | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| <i>TSFB</i>         |                       | US-6,165,634                               | 12-26-2000                     | Krasij et al.                                      |   |
| <i>BFB</i>          |                       | US-8,153,328                               | 11-28-2000                     | Matsukawa et al.                                   |   |
| <i>BFB</i>          |                       | US-8,130,272                               | 10-10-2000                     | Dopp et al.  |   |
| <i>BFB</i>          |                       | US-6,080,503                               | 6-27-2000                      | Schmid et al.                                      |   |
| <i>BFB</i>          |                       | US-5,977,249                               | 11-02-1999                     | Kovar et al.                                       |   |
| <i>BFB</i>          |                       | US-5,973,067                               | 10-26-1999                     | Nakamura et al.                                    |   |
| <i>BFB</i>          |                       | US-5,908,888                               | 6-01-1999                      | Nakamura et al.                                    |   |
| <i>BFB</i>          |                       | US-5,877,256                               | 3-02-1999                      | Nakamura et al.                                    |   |
| <i>BFB</i>          |                       | US-5,118,558                               | 5-28-1992                      | Wrobel et al.                                      |   |
| <i>BFB</i>          |                       | US-5,077,249                               | 12-31-1991                     | Lee et al.   |   |
| <i>BFB</i>          |                       | US-4,874,667                               | 10-17-1989                     | Lee et al.   |   |
| <i>BFB</i>          |                       | US-4,788,568                               | 11-22-1988                     | Elmore et al.                                      |   |
| <i>BFB</i>          |                       | US-4,784,879                               | 11-15-1988                     | Lee et al.   |   |
| <i>BFB</i>          |                       | US-4,768,178                               | 8-23-1988                      | Lee et al.   |   |
| <i>BFB</i>          |                       | US-4,719,262                               | 1-12-1988                      | Pliedemann   |   |
| <i>BFB</i>          |                       | US-4,269,991                               | 5-26-1981                      | Homan et al.                                       |   |
| <i>BFB</i>          |                       | US-3,980,800                               | 6-01-1976                      | Kohl, Jr.  |   |
| <i>BFB</i>          |                       | US-3,794,558                               | 2-26-1974                      | Young  |   |
| <i>BFB</i>          |                       | US-3,377,308                               | 4-09-1968                      | Harper   |   |
| <i>BFB</i>          |                       | US-3,677,998                               | 7-18-1972                      | Young  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials * | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>3</sup> |
|---------------------|-----------------------|---|--------------------------------|---|--|----------------|
|                     |                       | Country Code <sup>4</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |   |  |                |
| <i>BFB</i>          |                       | EP 1 263 068 A1   | 12-04-2002                     | Dana Corporation                                      |  |                |
| <i>BFB</i>          |                       | EP 1 075 034 A1   | 02-07-2001                     | Three Bond Co., Ltd.                                  |  |                |
| <i>BFB</i>          |                       | EP 1 009 052 A1   | 06-14-2000                     | Matsushita Electric Industrial Co., Ltd.              |  |                |
| <i>BFB</i>          |                       | EP 0 870 587 A2   | 10-14-1998                     | Ford Global Technologies, Inc.                        |  |                |
| <i>BFB</i>          |                       | JP 2001-338673  | 12-07-2001                     | Nok Corp.   |  | ✓              |
| <i>BFB</i>          |                       | JP 61-227368  | 10-09-1986                     | Toshiba Corp.   |  |                |
| <i>BFB</i>          |                       | WO 02/43173   | 05-30-2002                     | Protonex Technology Corporation                       |  |                |

Examiner Signature

*Bruce Bell*

Date Considered

2-23-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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| Substitute for form 1449A/PTO                            |   |    |   | Complete If Known           |                       |
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|  |   |    |   | <i>Examiner Name</i>        | Not yet assigned Bell |
| (Use as many sheets as necessary)                        |   |    |   |                             |                       |
| Sheet  | 2 | of | 2 | Attorney Docket Number      | 9351-218              |

## U.S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

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|--------------------|-------------------|-----------------|---------|
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